

Weekly Report

11/10/2014-11/15/2014

Reserach

This week, I am reading the seventh chapter about SVM. It is easy to learn linear support vector machine, but nonlinear support vector machine with kernel trick needs more time to understand.

Meanwhile, I am reading a paper[1] which includes a lot of classic algorithms. In order to know how document visualization works, I spend time learning some algorithms mentioned in this paper (TD-IDF[2], PCA).

Plan for next week

- I will spend more time on cuda program next week.
- Continue reading Dimensionality Reduction for Documents with Nearest Neighbor Queriespaper[1].
- nonlinear support vector machine

References

- [1] Stephen Ingram and Tamara Munzner. Dimensionality reduction for documents with nearest neighbor queries. *Neurocomputing, this issue*.
- [2] Gerard Salton and Christopher Buckley. Term-weighting approaches in automatic text retrieval. *Information processing & management*, 24(5):513–523, 1988.